

COATING APPARATUS AND METHODS OF APPLYING A POLYMER COATING

ABSTRACT OF THE INVENTION

5 Methods of applying a polymer coating to a substrate are disclosed. By disrupting a
bank of polymer precursor, a smooth coating of fast setting polymer can be applied to a
substrate. Apparatus for applying a polymer coating is also disclosed. In one embodiment, an
oscillating dispenser is used to apply polymer precursor onto a dispersive surface. The
polymer precursor flows down the surface and is transferred to a moving web. Flowing
solvent downwardly through the dispenser can provide efficient cleaning without the need for
10 disassembly or production delays.